CLAIMS

1. A method of conducting a communication exchange between systems over a communication network, comprising:

formatting of data by a first system into an IP datagram with an IP header and one of a TCP and a UDP header;

constructing a connectionless TCP/IP header to add to the formatted data, the connectionless TCP/IP header including a pre-defined identifying value in a designated field;

transmitting the formatted data having the connectionless TCP/IP header from the first system to a second system;

verifying the pre-defined identifying value in the designated field and identifying the connectionless TCP/IP header;

removing the identified connectionless TCP/IP header from the IP datagram; and

processing the IP datagram.

2. The method of claim 1, further comprising:

formatting of data by the second system into an IP datagram with an IP header and one of a TCP and a UDP header;

constructing an other connectionless TCP/IP header to add to the formatted data, the other connectionless TCP/IP header including an other pre-defined identifying value in a same designated field of the other connectionless TCP/IP header as the designated field of the connectionless TCP/IP header;

transmitting the data formatted by the second system and having the other connectionless TCP/IP header from the second system to the first system;

verifying the other pre-defined identifying value in the same designated field and identifying the other connectionless TCP/IP header;

removing the identified other connectionless TCP/IP header from the IP datagram; and

processing the IP datagram.

3. The method of claim 1, wherein the removing of the connectionless TCP/IP header provides for processing UDP data without verification and without acknowledgement.

4. The method of claim 1, wherein the connectionless TCP/IP header further includes a checksum in an other designated field, the checksum validating the pre-defined identifying value in the designated field of the connectionless TCP/IP header.

5. The method of claim 1, wherein the designated field is an upper byte of a Window Size field of the connectionless TCP/IP header.

6. The method of claim 4, wherein the other designated field is a lower byte of the Window Size field of the connectionless TCP/IP header.

7. The method of claim 4, wherein the checksum is calculated by performing a one's complement to a sum of a first byte and a second byte of a two byte Identification field of the connectionless TCP/IP header.

8. The method of claim 7, wherein the checksum is verified by summing the checksum and the two byte Identification field, and then truncating a result to a single byte, the truncated result being equal to a hexadecimal value of "FF."

9. In a video conferencing system, a method of communication between cooperating systems, comprising:

constructing a connectionless TCP/IP header, the connectionless TCP/IP header having a flag in a designated field and a checksum in an other designated field identifying the connectionless TCP/IP header;

attaching the connectionless TCP/IP header to an IP datagram; and

transmitting the IP datagram with the connectionless TCP/IP header,

wherein the connectionless TCP/IP header is removed by a receiving cooperating system and the IP datagram is processed without transmitting acknowledgement and without requesting verification.

10. The method of claim 9, wherein the designated field is an upper byte of a Window Size field of the connectionless TCP/IP header.

11. The method of claim 9, wherein the other designated field is a lower byte of the Window Size field of the connectionless TCP/IP header.

12. The method of claim 9, wherein the checksum is calculated by performing a one's complement to a sum of a first byte and a second byte of a two byte Identification field of the connectionless TCP/IP header.

13. The method of claim 12, wherein the checksum is verified by summing the checksum and the two byte Identification field, and then truncating a result to a single byte, the truncated result being equal to a hexadecimal value of "FF."

14. A communication protocol for establishing and maintaining an exchange between cooperating systems, the communication protocol comprising:

formatting data to be transmitted into an IP datagram;

attaching a connectionless TCP/IP header to the IP datagram;

transmitting the IP datagram with the connectionless TCP/IP header as a new IP datagram;

receiving the new IP datagram;

identifying the connectionless TCP/IP header;

removing the connectionless TCP/IP header from the new IP datagram; and

processing the new IP datagram,

wherein the new IP datagram is processed without acknowledgement and without transmitting a request for verification.

15. The communication protocol of claim 14, wherein the connectionless TCP/IP header includes a pre-defined identifying value in a designated field and a checksum in another designated field.

16. The communication protocol of claim 15, wherein the pre-defined value is an odd number, and the designated field is an upper byte of a Window Size field.

17. The communication protocol of claim 15, wherein the other designated field is a lower byte of a Window Size field.

18. The communication protocol of claim 15, wherein the checksum is calculated by performing a one's complement to a sum of a first byte and a second byte of a two byte Identification field of the connectionless TCP/IP header.

19. The communication protocol of claim 18, wherein the checksum is verified by summing the checksum and each byte of the two byte Identification field, and then truncating a result to a single byte, the truncated result being equal to a hexadecimal value of "FF."

20. The communication protocol of claim 14, wherein the IP datagram is a UDP datagram.

21. An integrated circuit chip for exchanging communication between cooperating systems, comprising:

logic for constructing a connectionless TCP/IP header, the connectionless TCP/IP header including a flag in a designated field identifying a communication as a connectionless TCP/IP communication; and

logic for constructing a checksum to verify the communication is a connectionless TCP/IP communication.

22. The integrated circuit chip of claim 21, further comprising:

logic for identifying the flag in the designated field to identify the communication as a connectionless TCP/IP communication;

logic for verifying the checksum to validate the communication is a connectionless TCP/IP communication;

logic for removing the connectionless TCP/IP header from an IP datagram; and

logic for processing the IP datagram without the connectionless TCP/IP header,

wherein the processing of the IP datagram is without transmission of acknowledgement and without transmission of a request for verification.

23. The integrated circuit chip of claim 22, wherein the IP datagram is a UDP datagram.

24. The integrated circuit chip of claim 21, wherein the flag is an odd number, and the designated field is an upper byte of a Window Size field of the connectionless TCP/IP header.

25. The integrated circuit chip of claim 21, wherein the checksum is written to another designated field, the other designated field being a lower byte of a Window Size field of the connectionless TCP/IP header.

26. The integrated circuit chip of claim 21, wherein the checksum is calculated by performing a one's complement to a sum of a first byte and a second byte of a two byte Identification field of the connectionless TCP/IP header.

27. The integrated circuit chip of claim 21, wherein the verifying of the checksum includes summing the checksum and each byte of a two byte Identification field of the connectionless TCP/IP header, and then truncating a result to a single byte, the truncated result being equal to a hexadecimal value of "FF."

28. A computer readable media having program instructions for exchanging communication between cooperating systems, comprising:

program instructions for constructing a connectionless TCP/IP header, the connectionless TCP/IP header having a flag in a designated field and a checksum in an other designated field identifying the connectionless TCP/IP header;

program instructions for attaching the connectionless TCP/IP header to an IP datagram; and

program instructions for transmitting the IP datagram with the connectionless TCP/IP header,

wherein the connectionless TCP/IP header is removed by a receiving cooperating system and the IP datagram is processed without transmitting acknowledgement and without requesting verification.

29. The computer readable media of claim 28, wherein the designated field is an upper byte of a Window Size field of the connectionless TCP/IP header.

30. The computer readable media of claim 28, wherein the other designated field is a lower byte of the Window Size field of the connectionless TCP/IP header.

31. The computer readable media of claim 28, wherein the checksum is calculated by performing a one's complement to a sum of a first byte and a second byte of a two byte Identification field of the connectionless TCP/IP header.

32. The computer readable media of claim 28, wherein the checksum is verified by summing the checksum and the two byte Identification field, and then truncating a result to a single byte, the truncated result being equal to a hexadecimal value of "FF."